



課 綱 Course Outline
財務金融學系學士班

中文課程名稱 Course Name in Chinese	固定收益證券				
英文課程名稱 Course Name in English	Fixed-Income Securities				
科目代碼 Course Code	FIN_30800	班 別 Degree	學士班 Bachelor' s		
修別 Type	學程 Program	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite	投資學				
課程目標 Course Objectives					
<p>首先介紹與分析典型債券市場，藉由這個基礎上，帶領學生探討新的方法，來評估嵌入選擇權的債券及房地產貸款擔保證券。另外，本課程授課內容也將配合Financial Risk Manager (FRM)證照考試內容，學生上完該門課，將會更有信心參加FRM證照考試。</p> <p>In this course, we shall first introduce and analyze the typical bond market. Based on this knowledge, we will lead the students to study new methodology to analyze bonds with embedded options and mortgage-backed securities. The materials of FRM Exam are also included in the course. The students will confidently sit for the FRM Exam.</p>					
系教育目標 Dept.' s Education Objectives					
1	培育財務金融業之管理人 Cultivate talents with a skill of financial management.				
2	培育具備投資理財能力之人才 Cultivate talents with a skill of investment and manage finances.				
3	培育政府及企業所需之財務人才 Trains the talents needed for our nation' s economic and business environment				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	具備經濟學、會計學、統計學及數學的基礎能力 Basic knowledge of the financial theory Economics, accounting, statistical and mathematica			●	
B	具備財務金融基本學理 Understanding of the development of the financial disciplin			●	

C	具備運用財務金融學理進行分析能力 Basic knowledge of financial theory analysis	●
D	具備資料整理、書面呈現或口頭報告之能力 Basic knowledge of documentation and presentation skill	○
E	具備財經時事基本分析能力 Capabilities for financial analysis of current affairs	●
F	具備電腦程式運算及應用基本能力 Ability of computer programs, algorithms and applications	○
G	具備英語閱讀溝通協調等基本能力 English reading ability of communication and coordination	○

圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated

課程大綱
Course Outline

- 1 Introduction
- 2 Pricing of Bonds
- 3 Measuring Yield
- 4 Bond Price Volatility
- 5 Factors Affecting Bond Yields and the Term Structure of Interest Rates
- 6 Treasury and Agency Securities Markets
- 7 Corporate Debt Instruments
- 8 Municipal Securities
- 9 Non-U. S. Bonds
- 10 residential Mortgage Loans
- 11 Mortgage Pass-Through Securities
- 12 Collateralized Mortgage Obligations and Stripped Mortgage
- 13 Analysis of Bonds with Embedded Options
- 14 Analysis of Convertible Bond

資源需求評估（師資專長之聘任、儀器設備的配合．．．等）
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

1. Projector
2. Computer

課程要求和教學方式之建議
Course Requirements and Suggested Teaching Methods

Lecture
Question and Answer

期中考成績Midterm Exam: 40%

期末考成績Final Exam: 40%

其他Miscellaneous: (attendance) 20%

The final grades will be adjusted by the school's rule. 學期成績會依學校規定做調整。

其他
Miscellaneous

課程教材網址（教師個人網址請列在本校內之網址）

Teaching Aids & Teacher's Website (Personal website can be listed here.)

<http://www.elearn.ndhu.edu.tw/moodle/>（東華e學苑）